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Accidents.

Farm accidents. By I. D. Graham. In thirty-second biennial report of the Kansas state board of agriculture. Topeka, Kansas, 1940. p.50-55.

Farm accidents high. The farmer. v.59, no.21. October 18, 1941. p.6. Statistics indicate that agriculture is most hazardous of all occupations: safety measures important.

Farm safety for national defense. Washington, U. S. Govt. print. off., 1942. 32p. U. S. Department of agriculture. Miscellaneous publication no.481.

Ladder accidents. National safety news. v.45, no.1. January 1942. p.38, 40. Prepared by the statistical bureau National safety council.

Safe operation of farm machinery. By Martin Ronning. Farm implement news. v.62, no.22. October 30, 1941. p.28. Farm machinery accidents can be minimized through education and common sense.

Safe operations of farm machinery. By Martin Ronning. Indiana farmers guide. v.97, no.23. December 1, 1941. p.9.

Study of home accidents: their public health significance. By Donald B. Armstrong and W. Graham Cole. American journal of public health. v.31, no.11. November 1941. p.1135-1142.

Transactions of the 30th National safety congress. Chicago, National safety council, inc., 1941. 735p.

Agriculture.

Annual report of the Maine extension service for year ending June 30, 1941. Orono, Maine, 1941. 40p. Maine. Agricultural extension service. Extension bulletin no.299.

Agriculture. (Cont'd.)

Cuban agriculture. By P. G. Minneman. Foreign agriculture. v.6, no.2. February 1942. p.43-76. Organization of agriculture. Crop production. Agricultural policy and development.

Fifty-first annual report of the agricultural experiment station of the Alabama polytechnic institute, 1940. Auburn, Alabama, 1940. 45p.

Investigations of agricultural problems. By F. B. Mumford and S. B. Shirky. Columbia, Missouri, 1941. 103p. Missouri. Agricultural experiment station. Bulletin no.438.

Some landmarks in the history of the department of agriculture. By T. Swann Harding. Washington, D. C., 1942. 94p. U. S. Department of agriculture. Office of information. Agricultural history series no.2.

Sweden adjusts its agriculture to war conditions. By Ewert Aberg. Foreign agriculture. v.6, no.1. January 1942. p.3-14. During 20 years following World War Sweden greatly increased its agricultural production and degree of its self-sufficiency. Natural limitations, however, force Sweden to depend upon import for some products, which now have been almost entirely cut off by war that surrounds it. Article reviews briefly effect of present war on Sweden's agriculture and measures that have been adopted to adjust country to war conditions.

Thirty-second biennial report of the Kansas state board of agriculture. Topeka, Kansas, 1940. 591p.

Variations in annual work stock costs by size of farms in Marion county. In fifty-first annual report of the agricultural experiment station of the Alabama Polytechnic institute, 1940. Auburn, Alabama, 1940. p.8-9. Table 3. Farm family labor available and used for field work on representative one-, two-, and three-mule farms in Marion county, Alabama, 1938.

War and agriculture in the United States, 1914-1941. Selected references. Compiled by Walter T. Borg. Washington, D. C., 1942. 43p. Mimeographed. U. S. Department of agriculture. Bureau of agricultural economics. Agricultural economics bibliography no.93.

Agriculture. (Cont'd.)

Wartime agriculture and post-war objectives. By Montell Ogden. Foreign agriculture. v.6, no.1. January 1942. p.15-32. Important developments are taking place in world agriculture with respect to patterns and methods of production. These developments may bring about period of chaos for producers and lower standard of living for both producers and consumers if international program is not worked out for readjustment of production to meet higher standard of living in post-war period. Post-war agricultural adjustment will be in some respects more difficult than wartime problem of increasing production of most essential commodities. Today, farmers are stimulated by patriotic motives and by governmental assistance. Prices to encourage production are guaranteed by governments. Post-war problem will be more complicated in that production to meet peacetime needs will require not only ample supply of essential commodities but increased civilian consumption and reorientation of production so that farmers will not again produce unwanted surpluses.

What's new in farm science. Part I. Annual report of the director. Madison, Wis., 1941. 88p. Wisconsin. Agricultural experiment station. Bulletin no.453.

Air Conditioning.

Functions of air conditioning. Pencil points. v.22, no.12. December 1941. p.793-796.

Modern air conditioning, heating and ventilating. By Willis H. Carrier, Realto E. Cherne and Walter A. Grant. New York, Pitman publishing corporation, 1941. 547p.

Resume of air conditioning. By Ronald Allwork. Pencil points. v.22, no.12. December 1941. p.789-792. Figure 1. Table of usual air conditioning characteristics for various types of buildings.

Air Raid Protection.

Air raid protection. Engineering news record. v.128, no.1. January 1, 1942. Vol. p.14-15. Suggestions and data from official sources.

Bomb shelters. By J. R. Shank. Engineering experiment station news. Ohio. Engineering experiment station. v.14, no.1. p.11-15. February 1942. Paper deals with civilian protection against war-time bomb action covering type of bombs that may be used against residence areas for purpose of destroying living quarters and personnel. Explosive and gas bombs will be considered.

Constructing air raid shelters. Public works. v.73, no.2. February 1942. p.31-36, 38-41.

Air Raid Protection. (Cont'd.)

Design of air raid shelters. Refrigerating engineering. v.42, no.4. October 1941. p.244.

Handling of explosive and incendiary bombs. By Hon. W. J. Scott. In Transactions of the 30th National safety congress. Chicago, National safety council, inc., 1941. p.315-320.

Incendiary bomb structural protection. By S. H. Ingberg. National fire protection association. Quarterly. v.35, no.3. January 1942. p.231-232.

Neutralizing incendiary bombs. Irish textile journal. v.7, no.4. April 1941. p.7, 17.

Alcohol Fuel.

Power alcohol. Australian sugar journal. v.33, no.7. October 11, 1941. p.267-268, 280.

Production of ethyl alcohol from cull potatoes and other farm crops. By Hobart Beresford and Leo M. Christensen. Moscow, Idaho, 1941. 28p. Idaho. Agricultural experiment station. Bulletin no.241.

Belts and Belting.

Make rubber belts last longer. By Paul D. Suloff. Factory management and maintenance. v.100, no.1. January 1942. p.114-115.

Brooders, Electric.

Home-made electric brooder works very well. In What's new in farm science. Part 1, Annual report of the director. Madison, Wis., 1941. p.52-53. Wisconsin. Agricultural experiment station. Bulletin no.453.

New electric lamp brooder. By D. C. Kennard and V. D. Chamberlin. Wooster, Ohio, 1942. 7p. Ohio. Agricultural experiment station. Special circular no.63.

Building Construction.

Correct design of rigid structures. By Otto Gottschalk. Journal of the Franklin institute. v.232, no.6. December, 1941. p.553-578.

Foundations for buildings. By Jacob Feld. Civil engineering. v.12, no.1. January 1942. p.13-16. Settlement problems encountered in the design of spread footings frankly discusse

Building Construction. (Cont'd.)

Igloos for munitions storage. Engineering news record. v.127, no.12. September 18, 1941. p.392-394.

Points to consider when building. By F. C. Fenton and C. K. Otis. In thirty-second biennial report of the Kansas state board of agriculture. Topeka, Kansas, 1940. p.67-79.

Protective construction. Washington, U. S. Govt. print. off., 1941. 36p. Civilian defense. Office for emergency management. Structures series. Bulletin no.1.

Structural defence. London, His Majesty's stationery office, 1939. 58p., i-x. Air raid precautions handbook no.5.

Trends in home building practice. American builder. v.64, no.1. January 1942. p.41-43.

Building Materials.

Brickwork as seen by the engineer. By Elwyn E. Seelye. Engineering news record. v.127, no.21. November 20, 1941. p.724-729. Proportioning a brick wall is discussed as problem of structural engineer, whose methods should replace rule-of-thumb practice. Specific design questions include girder concentration, wall stability, effect of buttresses, and pier dimensions. New method of proportioning lintels and "hybrid" steel-frame construction are described.

Concrete in sea water: A revised viewpoint needed: Discussion. By T. B. Rights. American society of civil engineers. Proceedings. v.67, no.9. November 1941. p.1757-1758.

Hollow glass block research. In report of the research and extension activities of the engineering schools and departments for the sessions of 1940-1941. Lafayette, Ind., 1941. p.11-12. Indiana. Purdue university. Engineering experiment station. Research series no.83. Purpose of research is to study physical and mechanical properties of hollow glass blocks as individual units and also when used for masonry walls.

Houses from the land. By Oren Stephens. Farmer's digest. v.5, no.8. December 1941. p.1-5.

Regional variations in building material prices. Federal home loan bank review. v.8, no.2. November 1941. p.48-50. As trends in building costs are being closely watched by home buyers, builders, and mortgage-lending institutions, report by Temporary national economic committee on building material prices assumes special significance. Report serves to focus attention on geographical price differentials as well as on margin between wholesale and retail prices.

Building Materials. (Cont'd.)

Strength of cement-lime mortars and concretes. By Dr. W. Fisher Cassie. Engineering. v.152, no.3953. October 17, 1941. p.301-303.

Corrosion.

Studies in corrosion control. By Henry P. Stockwell, Jr. Water and sewage. v.79, no.8. August 1941. p.13-21, 50.

Cotton.

Cotton .... its place and part today and tomorrow. By Burris C. Jackson. An address delivered before the annual meeting of the Texas agricultural workers' association in Waco, Texas, January 9, 1942. 8p. Cotton must make its plans now. The urgency for thorough research into new uses is greater now than at any previous time. Scientific research is marked for a most vital role in the development and expansion of new markets and outlets for cotton. No plans for the future could be complete without considering and supporting the vast possibilities of research. The new uses for cotton which are discovered during this war period will serve as a cushion for the recession which will follow the war.

Cotton production and distribution, season of 1940-41. Washington, U. S. Govt. print. off., 1941. 63p. U. S. Department of commerce. Bureau of the census. Bulletin no.178.

Cotton quality statistics, United States, 1940-41. Washington, D. C., 1941. 55p. U. S. Department of agriculture. Agricultural marketing service.

Cotton Gins and Ginning.

Compression of cotton at cotton gins. By Charles A. Bennett. The cotton ginners' journal. v.13, no.4. January 1942. p.5-6, 11.

Cost and profit of ginning cotton in Texas. By W. E. Paulson. College Station, Texas, 1942. 103p. Texas. Agricultural experiment station. Bulletin no.606.

Cotton ginning improvements in 1941. By Francis L. Gerdes. Cotton ginners' journal. v.8, no.6. March 1942. p.5, 14.

Modernizing wooden gin stands for saw speeds, capacity and sample. By Charles A. Bennett. Cotton ginners' journal. v.13, no.5. February 1942. p.5, 12.

Cotton Gins and Ginning. (Cont'd.)

A practical seed-cotton moisture tester for use at gins. By George E. Gause, Charles S. Shaw and Waldo H. Kliever. Washington, U. S. Govt. print. off., 1941. 25p. U. S. Department of agriculture. Circular no.621.

Some benefits to be derived from modernizing gins. By Charles A. Benne, and Francis L. Gerdes. The cotton ginners' journal. v.13, no.2. November 1941. p.5, 10-11.

Crops (Drying).

Kennedy & Kempe's new grain drier. Implement and machinery review. v.67, no.796. August 1, 1941. p.334-335.

Dams.

Act governing supervision of dams in California (Chapter 766, statues of 1929, as amended) and rules and regulations. Sacramento, California state printing office, 1941. 28p. California. Department of public works. Division of water resources.

Missouri soil saving dam. By J. C. Wooley, W. M. Clark and R. P. Beasley. Columbia, Missouri, 1941. 23p. Missouri. Agricultural experiment station. Bulletin no.434.

Drainage.

Drainage of leveed areas in mountainous valleys. By Gordon R. William American society of civil engineers. Proceedings. v.68, no.1. January 1942. p.3-16. Various methods of disposing of drainage from streams tributary to leveed areas are outlined in this paper. Brief consideration is given to characteristics of these metho in fulfilling design criterion that local drainage must be disposed of without causing damage appreciably greater than if streams could flow unobstructed to main river at low stage. Details of method of analyzi local hydrology and developing capacities of drainage structures under various conditions are presented. Graphs show volumes and rates of rainfall and runoff used in design storms and floods, and relations between selected capacities and available storage for numerous designs for drainage structures.

Drainage of leveed areas in mountainous valleys: Discussion. By Merrill Bernard. American society of civil engineers. Proceedings. v.68, no.1. January 1942. p.143-144.

Drainage studies. In report of the research and extension activities of the engineering schools and departments for sessions of 1940-1941. Lafayette, Ind., 1941. p.16. Indiana. Purdue university. Engineering experiment station. Research series no.83. Study was inaugurated in December, 1939, to study highway drainage from standpoin of spacing, depth, and correlation with type of soil. This is being done by use of sand and electrical models.

Drainage. (Cont'd.)

Putting order into drainage programs. By Fred A. Clarenbach. Land policy review. v.5, no.2. February 1942. p.19-20. Two reasons for improving ways and means of drainage: Need for expanding food production and possibility that land drainage may have prominent place in post-war rural works program.

Electric Wiring.

Electrical wiring specifications. By Earl Whitehorne. New York, McGraw-Hill book company, inc., 1941. 181p.

House wiring. By Joseph G. Wolber and Otto K. Rose. 5th edition. Chicago, Goodheart-Willcox company, inc., 1941. 348p.

Practical electrical wiring. By H. P. Richter. New York, McGraw-Hill book company, inc., 1941. 521p.

Safe wiring saves power. Consumers' guide. v.8, no.6. January 15, 1942. p.8.

Electricity on the Farm.

Building electrical equipment for the farm. By W. A. Ross, Jay Deiss, W. P. Beard and Lee C. Prickett. Washington, U. S. Govt. print. off., 1941. 97p. Federal security agency. U. S. office of education. Vocation division bulletin no.209. Agricultural series no.54.

Kilowatt-hour takes the place of the farmhand. Electrical merchandising. v.66, no.5. November 1941. p.26-27, 83.

Progress of rural electrification in Kansas. By F. C. Fenton. In thirty-second biennial report of the Kansas state board of agriculture. Topeka, Kansas, 1940. p.125-134.

Record of a year in rural electrification. Rural electrification news. v.7, no.5. January 1942. p.3-8, 25.

Rural electrification administration and welfare. By Joe R. Beeler. In thirty-second biennial report of the Kansas state board of agriculture. Topeka, Kansas, 1940. p.134-137.

Erosion Control.

Collection of runoff and soil losses from terrace outlets on strip cropped and on clean cultivated areas. In fifty-first annual report of the agricultural experiment station of the Alabama Polytechnic institute, 1940. Auburn, Alabama, 1940. p.16-17.

Comparison of crimson clover and hairy vetch as soil conserving crops. In fifty-first annual report of agricultural experiment station of the Alabama Polytechnic institute, 1940. Auburn, Alabama, 1940. p.17.

Erosion Control. (Cont'd.)

Contour furrows for water conservation on pasture land. In fifty-first annual report of the agricultural experiment station of the Alabama Polytechnic institute, 1940. Auburn, Alabama, 1940. p.16.

Early American soil conservationists. By Angus McDonald. Washington, U. S. Govt. print. off., 1941. 63p. U. S. department of agriculture. Miscellaneous publication no.449.

Effects of slope, character of soil, rainfall, and cropping treatments on erosion losses from Dunmore silt loam. By James H. Lillard, H. T. Rogers, and Jesse Elson. Blacksburg, Va., 1941. 32p. Virginia. Agricultural experiment station. Technical bulletin no.72.

Erosion control by thin section overfall structure. In Investigations of agricultural problems. Columbia, Missouri, 1941. p.21-22. Missouri. Agricultural experiment station. Bulletin no.438.

Hydraulic design of drop structures for gully control. By B. T. Morris and D. C. Johnson. American society of civil engineers. Proceedings. v.68, no.1. January 1942. p.17-48. In stabilization of gullies, small overflow dams are used to retain silt and to control stream grade. These dams are simple drop structure similar to those used in irrigation canals. In this paper development of rules for proportioning of such dams is described in terms of hydraulic requirements for structure performance. Formulas included in design rules are presented graphically for convenience in application. These rules are based on accumulated experience of engineers in irrigation and soil conservation work and on results of series of laboratory test programs.

Some economic considerations involved in planning farms for soil and water conservations at Wooster, Ohio. By R. H. Blosser. Columbus, Ohio, 1942. 37p. Mimeographed. Department of rural economics and rural sociology. Mimeograph bulletin no.147.

Soil erosion in the United States. By H. H. Bennett. Monthly bulletin of agricultural science and practice. v.32, no.6. June 1941. p.181T-186T. Extent of loss due to soil erosion in the U.S.A. Rapidity of soil erosion development. History of soil erosion in the South. Problems of the West. Dust storms of the Great Plains. Comparison between wind and water erosion.

Farm Buildings.

Appraisal of farm buildings. By J. C. Wooley and R. P. Beasley. Columbia, Missouri, 1941. 10p. Missouri. Agricultural experiment station. Circular no.213. Appraisal of building is accomplished by determining its structural value and then from this, its place or use value. Structural value depends upon years building has been in service, care it has received, correctness of design and the quality of material and workmanship that was used in erecting it. Place value depends upon how effectively building serves farm on which it is located.

Design of barns to withstand wind loads. By F. C. Fenton and C. K. Otis. Manhattan, Kansas, 1941. 76p. Kansas. Engineering experiment station. Bulletin no.42.

Investment in land and buildings by size of farms in Marion county. In fifty-first annual report of the agricultural experiment station of the Alabama Polytechnic institute, 1940. Auburn, Alabama, 19[illegible] p.9-11. Table 4. Net annual costs of work stock per head on 120 cotton-corn farms in Marion county, Alabama. Table 5. Investment in land and buildings per farm, and investment in land per acre by use, by size of farms, 120 farms, Marion county, Alabama.

Plans for concrete farm buildings. Chicago, Portland cement association, 1942. 56p.

Farm Machinery and Equipment.

Annual convention of the national retail farm equipment association. Northwest farm equipment journal. v.55, no.11. November 1941. p.35-40, 42-43.

Care and repair of the mowing machine. By A. J. Bell. East Lansing, Michigan, 1942. 14p. Michigan. Agricultural extension division. Extension bulletin no.153. (First reprinting).

Case reaches century mark. Implement & tractor. v.57, no.1. January 3, 1942. p.12-14, 30-34. Pioneer company now features seventy-seven distinct lines and looks forward to future service to agriculture.

Distribution of machinery by Farmers' cooperative associations. By Gerald M. Francis. Washington, U. S. Govt. print. off., 1941 57p. U. S. Department of agriculture. Farm credit administratio Circular C-125.

Down machinery row in 1942. By J. Brownlee Davidson. Successful farming. v.40, no.2. February 1942. p.12-

Farm Machinery and Equipment. (Cont'd.)

Economic possibilities of farm mechanization. By R. B. Corbett. Agricultural engineering. v.22, no.12. December 1941. p.437-439.

Expenditures for farm equipment. Implement & tractor, v.56, no.21. October 11, 1941. p.28.

Farm-fitted power's best. By J. E. Stanford. Southern agriculturist. v.71, no.10. October 1941. p.12-13.

Farm machinery: II. The repair program. By C. H. Bernhard. Land policy review. v.5, no.2. February 1942. p.32-34. Farm machinery repair program is something new--"a period of adjustment is inevitable; but the speed of the national war effort demands that any such adjustment be made as quickly as possible.

Farm machinery and equipment by size of farms in Marion county. In fifty-first annual report of the agricultural experiment station of the Alabama Polytechnic institute, 1940. Auburn, Alabama, 1940. p.11-13. Table 6. Average age, value, rate of depreciation, normal repair costs, and purchase price of usual types of equipment on farms in Marion county, Alabama, 1938. Table 7. Number and percentage of farms reporting specified types of equipment in Marion county, Alabama, 1938.

Farm machinery in 1942. Agricultural situation. v.26, no.2. February 1942. p.7-8.

Farm machinery in 1942. By M. Glen Kirkpatrick. Farm journal and farmer's wife. v.66, no.1. January 1942. p.20, 61.

Farmers answer appeal on repairs. Wallaces' farmer and Iowa homestead v.67, no.1. January 10, 1942. p.5. New parts and careful handling to give many more hours of wear.

"From flail to freedom". Farm machinery and equipment. No. 189, January 1942. p.16-18, 23-25. Case centennial year emphasizes important role played by J. I. Case in the development of agriculture--six threshers "on credit" started mammoth business which still carries his name.

Getting the most out of farm machinery. By Martin Ronning. California cultivator. v.88, no.22. November 1, 1941. p.626.

Getting the most out of farm machinery. By Martin Ronning. Implement & tractor. v.56, no.24. November 22, 1941. p.17.

Farm Machinery and Equipment. (Cont'd.)

How much machinery can California's farms give up in 1942? Implement record. v.38, no.12. December 1941. p.13-14, 35.

If you must buy used machinery. By E. W. Lehmann. Successful farming. v.40, no.1. January 1942. p.21, 36-37.

Keep up the farm machinery! By W. Franklin Moore. Rural New-Yorker. v.101, no.5521. January 24, 1942. p.46.

Labor, power and machinery on small farms in Ohio. By F. L. Morison and Ross V. Baumann. Columbus, O., 1941. 45p. Mimeograph Ohio. State university and agricultural experiment station. Department of rural economics and rural sociology. Mimeograph bulletin no.145.

Life, service and cost of service of farm machines on 400 Iowa farms. By J. Brownlee Davidson and S. Milton Henderson. Ames, Iowa, 1942. 282-299p. Iowa. Agricultural extension service. Bulletin P37 (New series).

Machinery for sweet potato production. By John W. Randolph. Agricultural engineering. v.22, no.11. November 1941. p.386-388.

Modern farm machinery. Chicago, 1941. 20p. Chicago. LaSalle extension university. Assignment 5.

Mower repair demonstrations. In annual report of the Maine extension service for year ending June 30, 1941. Orono, Maine, 1941. p.13. Maine. Agricultural extension service. Extension bulletin no.299.

New flax straw drying machine. Irish and international fibres and fabrics journal. v.7, no.5. May 1941. p.20-21.

1942 farm equipment quotas. Farm machinery and equipment. No. 1897. January 1942. p.6-7. Permitted production compared with 1940 volume on which quotas are based.

Our 1942 farm-equipment program. By Paul Andreson. Domestic commerce. v.29, no.4. January 22, 1942. p.19-21.

Outlook for materials and machines. By H. T. Reishus. Farm machinery and equipment. No. 1895. November 1941. p.7-9, 27-29. Farm equipment industry playing important role in defense orders--urgent need for materials to supply farmer with essential equipment with which to carry through the nation's increased food program.

Farm Machinery and Equipment. (Cont'd.)

Physical reactions of tillage tools causing compression and arch formation, and analyses of plow moldboard shapes and materials. In fifty-first annual report of the agricultural experiment station of the Alabama Polytechnic institute, 1940. Auburn, Alabama, 1940. p.16.

Small combines. In Investigations of agricultural problems. Columbia, Missouri, 1941. p.21. Missouri. Agricultural experiment station. Bulletin no.438.

Speed in farming. By Fred Hawthorn. Successful farming. v.39, no.11. November 1941. p.22, 85.

Time and labor savers in potato harvesting. By H. N. Metcalf. Market growers journal. v.69, no.12. December 15, 1941. p.513, 522-523.

Two successful tomato picking machines. By Thos. H. Wittkorn. Market growers journal. v.69, no.12. December 15, 1941. p.507, 517.

What is new in farm machinery. By E. A. Silver. Agricultural engineering. v.22, no.11. November 1941. p.381-383, 385.

Winter care helps machinery efficiency. Wisconsin agriculturist and farmer. v.68, no.26. December 27, 1941. p.13.

Fences, Electric.

Electric fence. By Charles F. Dalziel and James R. Burch. Agricultural engineering. v.22, no.11. November 1941. p.399-406.

Fertilizer Placement.

Applying fertilizer in liquid form. By Dr. Victor A. Tiedjens. Agricultural engineering. v.22, no.12. December 1941. p.440, 442.

Fertilizer placement studies on corn. In Investigations of agricultural problems. Columbia, Missouri, 1941. p.20. Missouri. Agricultural experiment station. Bulletin no.438.

Fibers, Synthetic.

New synthetic textile fibers. By Herbert R. Mauersberger. Rayon textile monthly. v.21, no.12. December 1940. p.743-745.

Fire Protection.

Don't feed a fire! East Lansing, Michigan, 1942. 2p.
Michigan. Agricultural extension division. Extension folder F-13.

Employee organization for fire safety. Boston, Mass., National fire protection association, 1942. 46p.

Fire prevention. By L. W. Hutchins. The brewers digest. v.16, no.10. September 1941. p.50-51. What to do to protect your plant against the hazard of fire.

Methods of preventing and extinguishing electrical fires. By Wills Maclachlan. In transactions of the 30th National safety congress. Chicago, National safety council, inc., 1941. p.69-72.

Preventing farm fires. Electricity on the farm. v.14, no.10. October 1941. p.9.

The prevention and extinguishment of chemical fires. By Arnold Renner. In transactions of the 30th National safety congress. Chicago, National safety council, inc., 1941. p.72-75.

Protect against fire. Consumers' guide. v.8, no.6. January 15, 1942. p.12.

Testing materials to reduce fire hazard. National painters magazine. v.9, no.1. January 1942. p.11-12.

Fire Places.

Fireplaces and chimneys. By Arthur H. Senner and Thomas A. H. Miller. Washington, U. S. Govt. print. off., 1941. 52p.
U. S. Department of agriculture. Farmers' bulletin no.1889.

Warm heart for your home. By W. E. Mack. Successful farming. v.39, no.11. November 1941. p.32, 50. Ready-built steel fireplaces bring back charm of the hearth with practical plus.

Flax.

Immediate future of the Belgian flax industry. By a Special Correspondent. Textile recorder. v.59, no.705. December 1941. p.26.

Something new in flax culture. By M. E. Benis. California cultivator. v.88, no.22. November 1, 1941. p.627, 642.

Towards an organic flax industry. Fibres and fabrics journal. v.7, no.12. December 1941. p.6-7, 24.

Floods and Flood Control.

Direct method of flood routing: Discussion. By Messrs. W. B. Langbein, Fred E. Tatum and H. C. Woster. American society of civil engineers. Proceedings. v.67, no.9. November 1941. p.1763-1767.

Foods, Frozen.

The bacteriology and sanitation of quick frozen foods. By N. H. Sanderson, Jr. Refrigerating engineering. v.42, no.4. October 1941. p.228-232. Sanitation in preparation of quick frozen foods should be made as nearly as possible an automatic operation. Methods of continuous self-cleaning should be developed and utilized, since such means are far more effective and dependable than manual methods. All plant personnel should be trained and selected in relation to their habits and personal cleanliness.

Desiccation of products stored at low temperatures. By J. G. Woodroof. Refrigerating engineering. v.42, no.6. December 1941. p.383-387. Mechanics of desiccation of frozen foods. Prevention of desiccation is complex. Different products vary widely in amount of desiccation. Desiccation is influenced by method of freezing. Glazing. Case hardening.

Effect of frozen mass formations on the freezing rate of foods. By Wm. J. Finnegan. Ice and refrigeration. v.101, no.5. November 1941. p.403-409.

Effect of frozen mass formations on the freezing rate of foods. By Wm. J. Finnegan. Refrigerating engineering. v.42, no.4. October 1941. p.233-237, 260-261. In this report of tests comparing freezing rates obtained by various methods of freezing foods, author presents original and significant data. Among other conclusions, he finds that each food has an optimum point of final solidification which will give highest freezing rate at given temperature, regardless of method employed.

Foods suitable for freezing preservation. By J. G. Woodroof. Experiment, Ga., 1941. 34p. Georgia. Agricultural experiment station. Bulletin no.212.

Freezing fresh vegetables and fruits. By O. B. Combs. Madison, Wis., 1941. 8p. Wisconsin. Agricultural extension service. Circular no.324.

Freezing of eggs. Refrigerating engineering. v.42, no.6. December 1941. R. E. application data 29. 6p.

Freezing of vegetables. Part 2. Modern refrigeration. v.54, no.521. August 1941. p.119.

Foods, Frozen. (Cont'd.)

The freezing temperatures of some fruits, vegetables and florists' stocks. By R. C. Wright. Revised edition. Washington, U. S. Govt. print. off., 1942. 12p. U. S. Department of agriculture. Circular no.447.

Frozen foods from freezer lockers. By Elna Miller. Utah farmer. v.61, no.10. January 10, 1942. p.16-17.

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Preparation of fruits and vegetables for freezing. By Robert F. Cain. Farm and ranch. v.60, no.8. August 1941. p.10-11. Maturity desired. Handling prior to processing. Preparation prior to freezing. Sirup packs for fruits. Use of dry or liquid packs. Containers. Freezing.

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